

**Things to Know, Understand and Do
For Chapter 15: Solution Chemistry CP Living**

By the end of Chapter 15 you should

Know how to...
Define mixtures (homogeneous and heterogeneous)
Define solute, solvent, soluble, and dissociate
List and explain three factors that affect the rate of dissolving of solids in liquids
Define Solubility, Saturated, Unsaturated, and Supersaturated and know how to read a solubility curve
How to calculate molar concentrations
How to calculate the amount of solute needed to make a specific volume of a molar concentration

understand...
The 'like dissolves like' rule affects solubility
The particle view of solutions
Pressure affects gas solubility (Henry's Law)
How a solubility curve is constructed and how temperature affects the solubility of gases and solids in aqueous solution

Ch 15 Homework

Due the day before the test. Must be completed neatly. Use full sentences and/or show all work in calculations for full credit where applicable. This assignment may be passed in anytime before the test though. Students may also elect to pass in questions in smaller chunks during the course of our coverage of the chapter if that is more conducive to their learning style.

Read Chapters 15 (p 407-427) **Ignore all sections on toxins.**

Do the following problems: p 412 Q 1, 5, 6, 8, 9 p 420-421 Q 3, 7 p 416-417 Q 5, 6, 8 (a, d), 9 (b, c)

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